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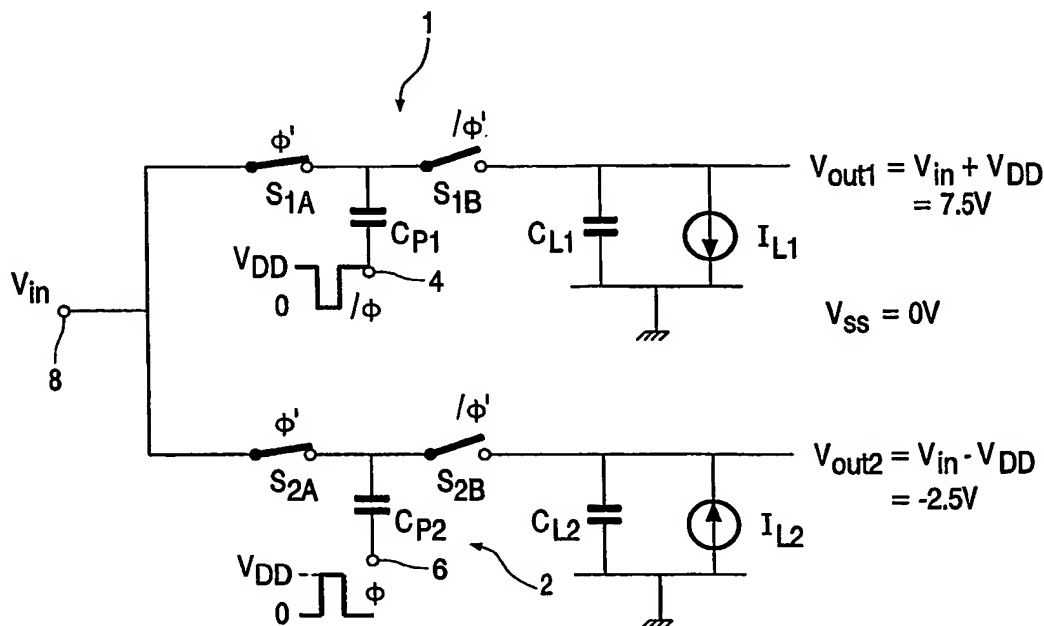
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(54) Title: A CHARGE PUMP CIRCUIT



(57) Abstract: A charge pump circuit has a voltage increasing stage and a voltage decreasing stage in parallel, and sharing a common input. This allows charge to flow between the stages, so that charge used in the pumping of one stage is recycled to the other stage.